

Appendix for Band 12

Product Name: Smart Phone

Model No: X62

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	22.58	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	21.75	PASS
Band12	1.4MHz	QPSK	23017	1RB#2	22.78	PASS
Band12	1.4MHz	16QAM	23017	1RB#2	21.94	PASS
Band12	1.4MHz	QPSK	23017	1RB#5	22.60	PASS
Band12	1.4MHz	16QAM	23017	1RB#5	21.76	PASS
Band12	1.4MHz	QPSK	23017	3RB#0	22.70	PASS
Band12	1.4MHz	16QAM	23017	3RB#0	21.57	PASS
Band12	1.4MHz	QPSK	23017	3RB#1	22.68	PASS
Band12	1.4MHz	16QAM	23017	3RB#1	21.54	PASS
Band12	1.4MHz	QPSK	23017	3RB#3	22.75	PASS
Band12	1.4MHz	16QAM	23017	3RB#3	21.64	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	21.67	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	20.78	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	22.72	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	21.90	PASS
Band12	1.4MHz	QPSK	23095	1RB#2	22.82	PASS
Band12	1.4MHz	16QAM	23095	1RB#2	22.02	PASS
Band12	1.4MHz	QPSK	23095	1RB#5	22.66	PASS
Band12	1.4MHz	16QAM	23095	1RB#5	21.83	PASS
Band12	1.4MHz	QPSK	23095	3RB#0	22.81	PASS
Band12	1.4MHz	16QAM	23095	3RB#0	21.74	PASS
Band12	1.4MHz	QPSK	23095	3RB#1	22.85	PASS
Band12	1.4MHz	16QAM	23095	3RB#1	21.74	PASS
Band12	1.4MHz	QPSK	23095	3RB#3	22.88	PASS
Band12	1.4MHz	16QAM	23095	3RB#3	21.76	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	21.82	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	20.90	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	22.68	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	21.86	PASS
Band12	1.4MHz	QPSK	23173	1RB#2	22.76	PASS
Band12	1.4MHz	16QAM	23173	1RB#2	22.01	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	22.60	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	21.73	PASS
Band12	1.4MHz	QPSK	23173	3RB#0	22.76	PASS

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Band12	1.4MHz	16QAM	23173	3RB#0	21.70	PASS
Band12	1.4MHz	QPSK	23173	3RB#1	22.77	PASS
Band12	1.4MHz	16QAM	23173	3RB#1	21.69	PASS
Band12	1.4MHz	QPSK	23173	3RB#3	22.78	PASS
Band12	1.4MHz	16QAM	23173	3RB#3	21.65	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	21.67	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	20.63	PASS
Band12	3MHz	QPSK	23025	1RB#0	22.65	PASS
Band12	3MHz	16QAM	23025	1RB#0	21.88	PASS
Band12	3MHz	QPSK	23025	1RB#8	22.73	PASS
Band12	3MHz	16QAM	23025	1RB#8	21.92	PASS
Band12	3MHz	QPSK	23025	1RB#14	22.70	PASS
Band12	3MHz	16QAM	23025	1RB#14	21.90	PASS
Band12	3MHz	QPSK	23025	8RB#0	21.64	PASS
Band12	3MHz	16QAM	23025	8RB#0	20.82	PASS
Band12	3MHz	QPSK	23025	8RB#4	21.66	PASS
Band12	3MHz	16QAM	23025	8RB#4	20.79	PASS
Band12	3MHz	QPSK	23025	8RB#7	21.78	PASS
Band12	3MHz	16QAM	23025	8RB#7	20.86	PASS
Band12	3MHz	QPSK	23025	15RB#0	21.72	PASS
Band12	3MHz	16QAM	23025	15RB#0	20.79	PASS
Band12	3MHz	QPSK	23095	1RB#0	22.77	PASS
Band12	3MHz	16QAM	23095	1RB#0	21.95	PASS
Band12	3MHz	QPSK	23095	1RB#8	22.73	PASS
Band12	3MHz	16QAM	23095	1RB#8	21.87	PASS
Band12	3MHz	QPSK	23095	1RB#14	22.71	PASS
Band12	3MHz	16QAM	23095	1RB#14	21.91	PASS
Band12	3MHz	QPSK	23095	8RB#0	21.71	PASS
Band12	3MHz	16QAM	23095	8RB#0	20.82	PASS
Band12	3MHz	QPSK	23095	8RB#4	21.76	PASS
Band12	3MHz	16QAM	23095	8RB#4	20.80	PASS
Band12	3MHz	QPSK	23095	8RB#7	21.72	PASS
Band12	3MHz	16QAM	23095	8RB#7	20.80	PASS
Band12	3MHz	QPSK	23095	15RB#0	21.78	PASS
Band12	3MHz	16QAM	23095	15RB#0	20.76	PASS
Band12	3MHz	QPSK	23165	1RB#0	22.76	PASS
Band12	3MHz	16QAM	23165	1RB#0	21.62	PASS
Band12	3MHz	QPSK	23165	1RB#8	22.78	PASS
Band12	3MHz	16QAM	23165	1RB#8	21.70	PASS
Band12	3MHz	QPSK	23165	1RB#14	22.69	PASS
Band12	3MHz	16QAM	23165	1RB#14	21.63	PASS
Band12	3MHz	QPSK	23165	8RB#0	21.77	PASS

Band12	3MHz	16QAM	23165	8RB#0	20.83	PASS
Band12	3MHz	QPSK	23165	8RB#4	21.76	PASS
Band12	3MHz	16QAM	23165	8RB#4	20.77	PASS
Band12	3MHz	QPSK	23165	8RB#7	21.75	PASS
Band12	3MHz	16QAM	23165	8RB#7	20.79	PASS
Band12	3MHz	QPSK	23165	15RB#0	21.72	PASS
Band12	3MHz	16QAM	23165	15RB#0	20.65	PASS
Band12	5MHz	QPSK	23035	1RB#0	22.67	PASS
Band12	5MHz	16QAM	23035	1RB#0	21.72	PASS
Band12	5MHz	QPSK	23035	1RB#12	22.80	PASS
Band12	5MHz	16QAM	23035	1RB#12	21.81	PASS
Band12	5MHz	QPSK	23035	1RB#24	22.75	PASS
Band12	5MHz	16QAM	23035	1RB#24	21.77	PASS
Band12	5MHz	QPSK	23035	12RB#0	21.60	PASS
Band12	5MHz	16QAM	23035	12RB#0	20.63	PASS
Band12	5MHz	QPSK	23035	12RB#6	21.66	PASS
Band12	5MHz	16QAM	23035	12RB#6	20.65	PASS
Band12	5MHz	QPSK	23035	12RB#13	21.78	PASS
Band12	5MHz	16QAM	23035	12RB#13	20.81	PASS
Band12	5MHz	QPSK	23035	25RB#0	21.73	PASS
Band12	5MHz	16QAM	23035	25RB#0	20.77	PASS
Band12	5MHz	QPSK	23095	1RB#0	22.69	PASS
Band12	5MHz	16QAM	23095	1RB#0	21.92	PASS
Band12	5MHz	QPSK	23095	1RB#12	22.80	PASS
Band12	5MHz	16QAM	23095	1RB#12	22.06	PASS
Band12	5MHz	QPSK	23095	1RB#24	22.68	PASS
Band12	5MHz	16QAM	23095	1RB#24	21.93	PASS
Band12	5MHz	QPSK	23095	12RB#0	21.75	PASS
Band12	5MHz	16QAM	23095	12RB#0	20.88	PASS
Band12	5MHz	QPSK	23095	12RB#6	21.78	PASS
Band12	5MHz	16QAM	23095	12RB#6	20.92	PASS
Band12	5MHz	QPSK	23095	12RB#13	21.79	PASS
Band12	5MHz	16QAM	23095	12RB#13	20.84	PASS
Band12	5MHz	QPSK	23095	25RB#0	21.79	PASS
Band12	5MHz	16QAM	23095	25RB#0	20.83	PASS
Band12	5MHz	QPSK	23155	1RB#0	22.71	PASS
Band12	5MHz	16QAM	23155	1RB#0	21.76	PASS
Band12	5MHz	QPSK	23155	1RB#12	22.86	PASS
Band12	5MHz	16QAM	23155	1RB#12	21.87	PASS
Band12	5MHz	QPSK	23155	1RB#24	22.68	PASS
Band12	5MHz	16QAM	23155	1RB#24	21.70	PASS
Band12	5MHz	QPSK	23155	12RB#0	21.72	PASS

Band12	5MHz	16QAM	23155	12RB#0	20.81	PASS
Band12	5MHz	QPSK	23155	12RB#6	21.72	PASS
Band12	5MHz	16QAM	23155	12RB#6	20.74	PASS
Band12	5MHz	QPSK	23155	12RB#13	21.69	PASS
Band12	5MHz	16QAM	23155	12RB#13	20.77	PASS
Band12	5MHz	QPSK	23155	25RB#0	21.70	PASS
Band12	5MHz	16QAM	23155	25RB#0	20.82	PASS
Band12	10MHz	QPSK	23060	1RB#0	22.68	PASS
Band12	10MHz	16QAM	23060	1RB#0	21.87	PASS
Band12	10MHz	QPSK	23060	1RB#24	22.90	PASS
Band12	10MHz	16QAM	23060	1RB#24	22.03	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.73	PASS
Band12	10MHz	16QAM	23060	1RB#49	21.98	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.72	PASS
Band12	10MHz	16QAM	23060	25RB#0	20.77	PASS
Band12	10MHz	QPSK	23060	25RB#12	21.70	PASS
Band12	10MHz	16QAM	23060	25RB#12	20.81	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.81	PASS
Band12	10MHz	16QAM	23060	25RB#25	20.84	PASS
Band12	10MHz	QPSK	23060	50RB#0	21.76	PASS
Band12	10MHz	16QAM	23060	50RB#0	20.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.72	PASS
Band12	10MHz	16QAM	23095	1RB#0	21.93	PASS
Band12	10MHz	QPSK	23095	1RB#24	22.86	PASS
Band12	10MHz	16QAM	23095	1RB#24	22.07	PASS
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Band12	10MHz	16QAM	23095	1RB#49	21.88	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.92	PASS
Band12	10MHz	16QAM	23095	25RB#0	21.00	PASS
Band12	10MHz	QPSK	23095	25RB#12	21.94	PASS
Band12	10MHz	16QAM	23095	25RB#12	21.04	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.89	PASS
Band12	10MHz	16QAM	23095	25RB#25	21.00	PASS
Band12	10MHz	QPSK	23095	50RB#0	21.91	PASS
Band12	10MHz	16QAM	23095	50RB#0	20.98	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.87	PASS
Band12	10MHz	16QAM	23130	1RB#0	21.73	PASS
Band12	10MHz	QPSK	23130	1RB#24	22.88	PASS
Band12	10MHz	16QAM	23130	1RB#24	21.81	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.69	PASS
Band12	10MHz	16QAM	23130	1RB#49	21.59	PASS
Band12	10MHz	QPSK	23130	25RB#0	21.87	PASS

Band12	10MHz	16QAM	23130	25RB#0	20.96	PASS
Band12	10MHz	QPSK	23130	25RB#12	21.89	PASS
Band12	10MHz	16QAM	23130	25RB#12	20.98	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.82	PASS
Band12	10MHz	16QAM	23130	25RB#25	20.91	PASS
Band12	10MHz	QPSK	23130	50RB#0	21.82	PASS
Band12	10MHz	16QAM	23130	50RB#0	20.89	PASS

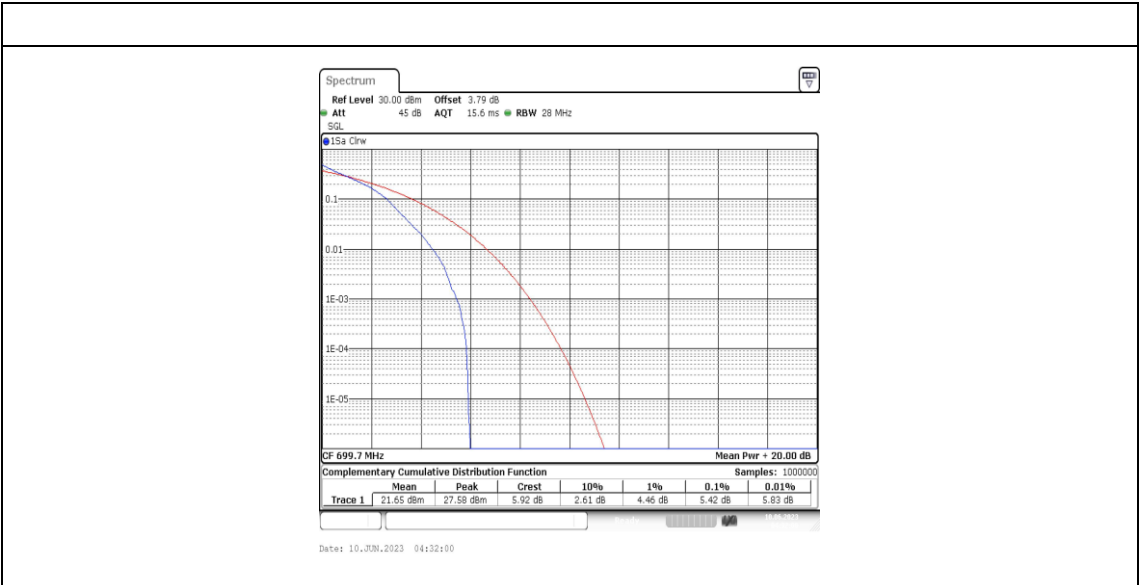
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

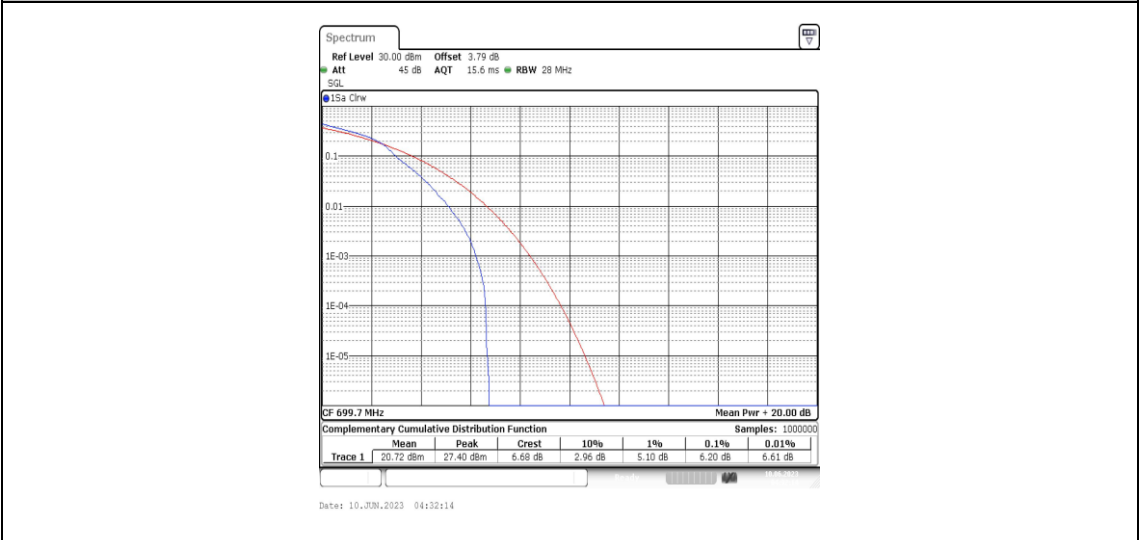
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.42	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.20	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.65	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.32	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.71	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	6.43	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.74	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.43	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	5.25	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	6.12	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.45	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.14	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.36	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	6.17	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.71	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.43	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.22	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.83	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.77	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.55	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	5.30	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	6.20	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.57	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.35	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.68	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	6.06	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.80	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.46	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.54	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.83	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.52	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	5.77	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	6.12	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.62	13	PASS

Band12	5MHz	16QAM	23155	25RB#0	6.29	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.33	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	6.26	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.43	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.25	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.83	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.80	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.55	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	5.51	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	6.32	13	PASS
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Band12	10MHz	16QAM	23130	50RB#0	6.49	13	PASS

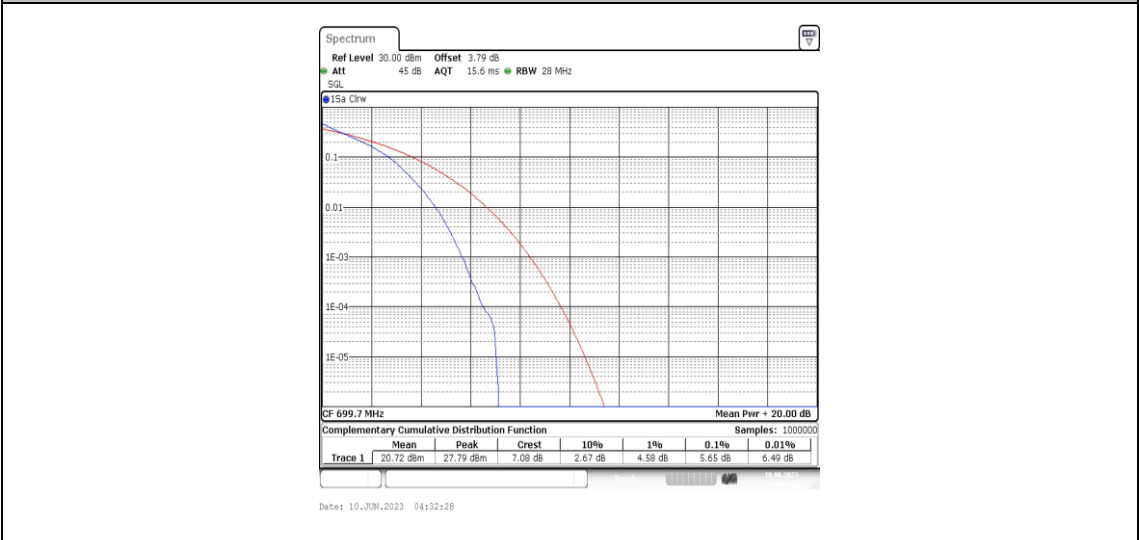
Test Graphs

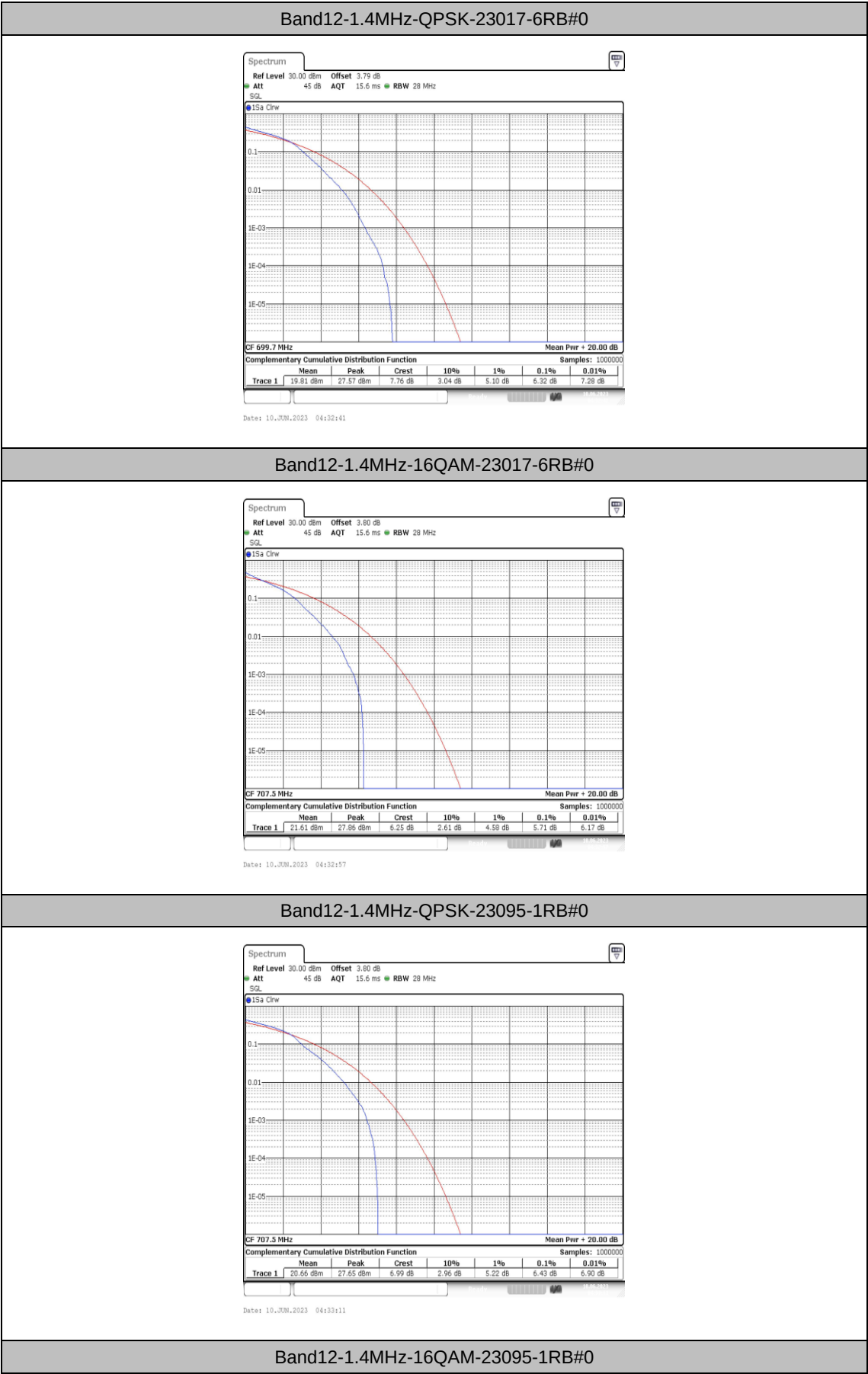


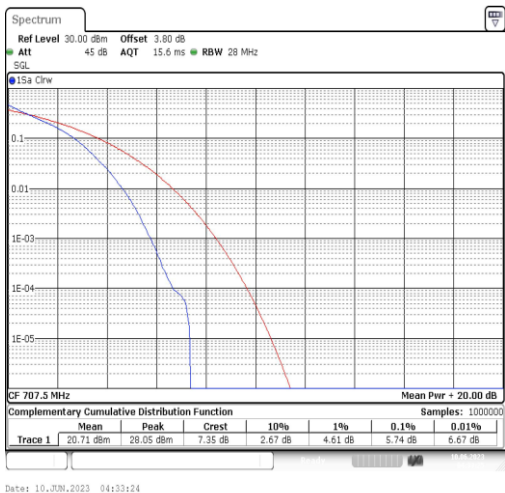
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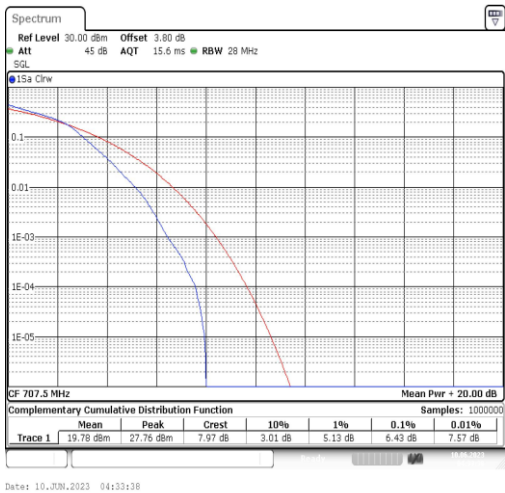
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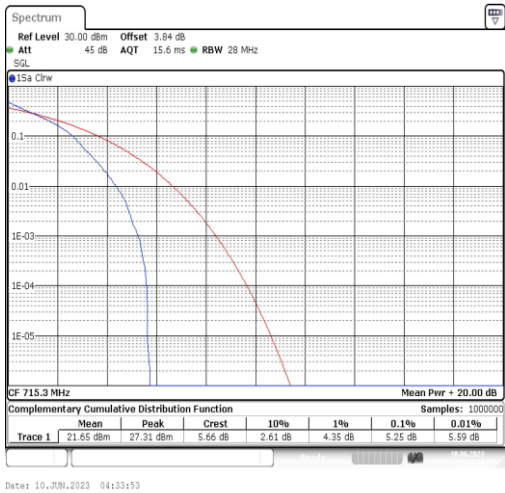




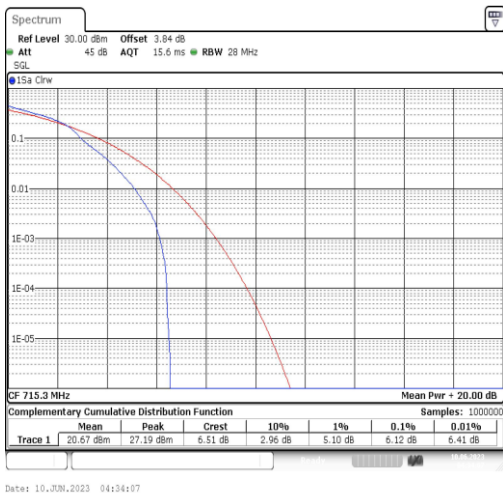
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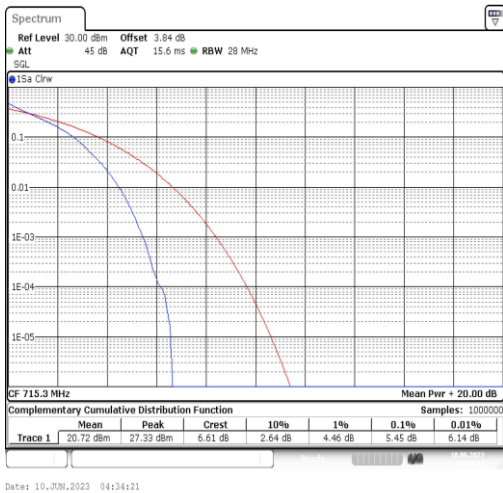
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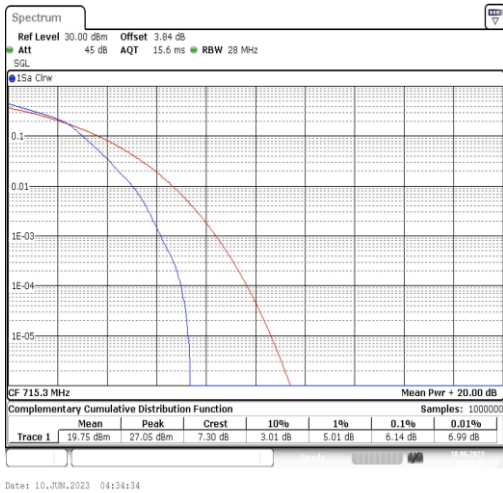
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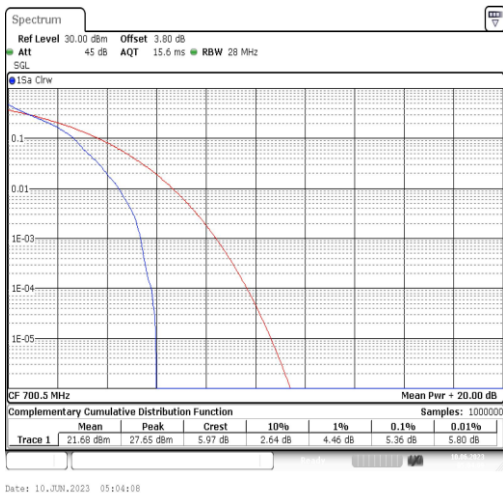
Band12-1.4MHz-16QAM-23173-1RB#0



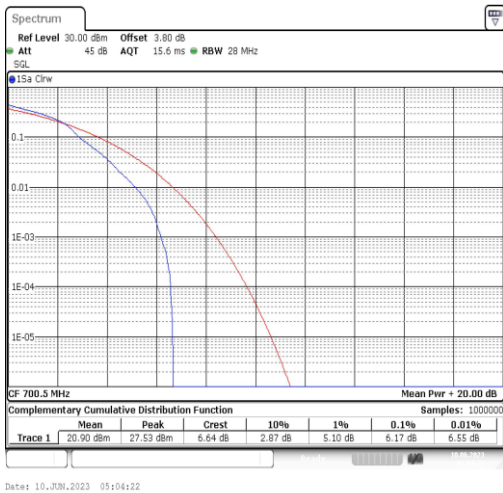
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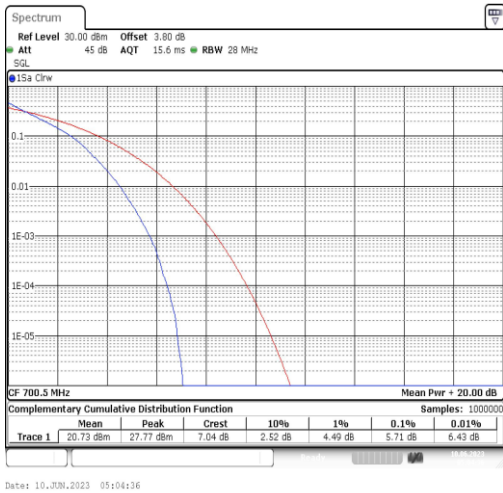
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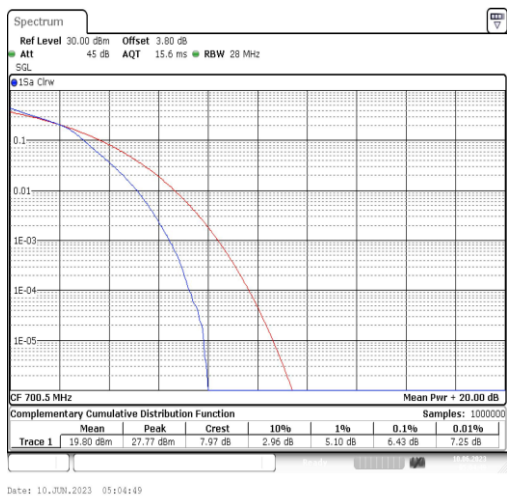
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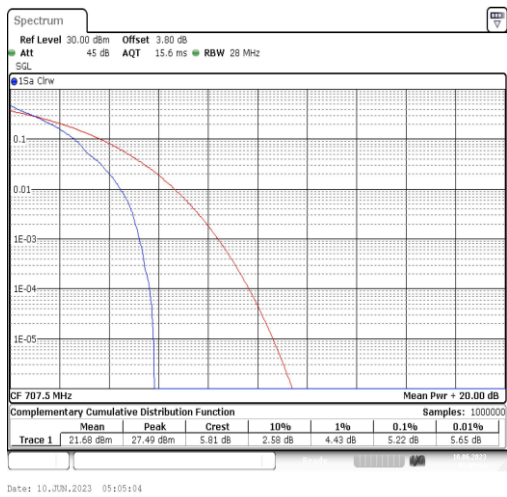
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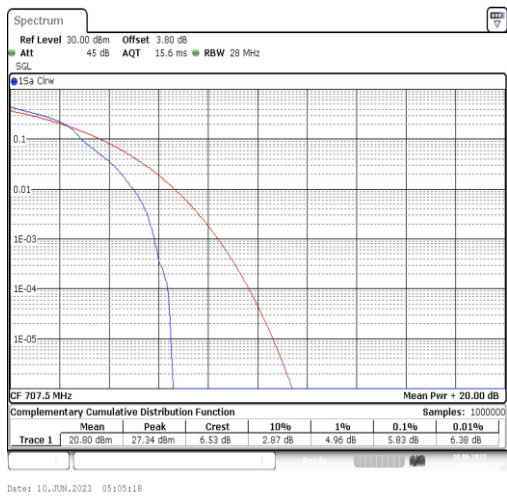
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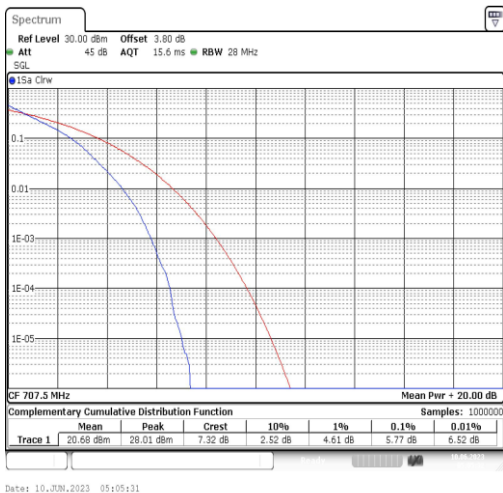
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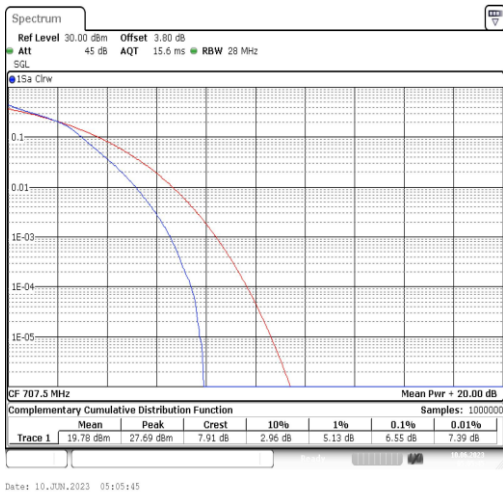
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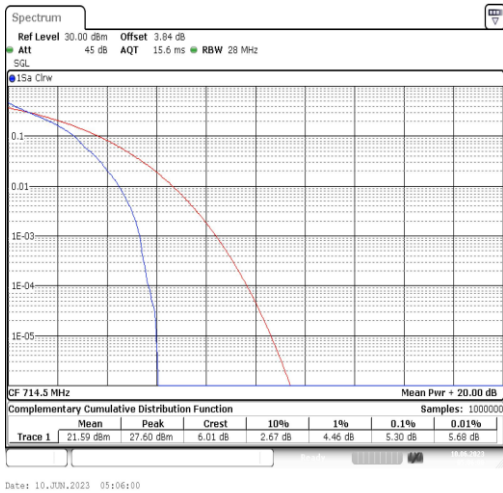
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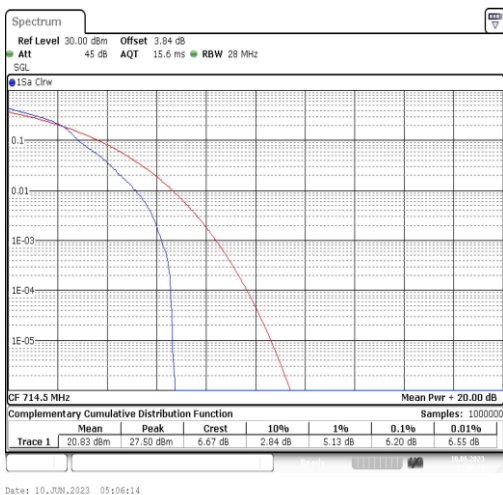
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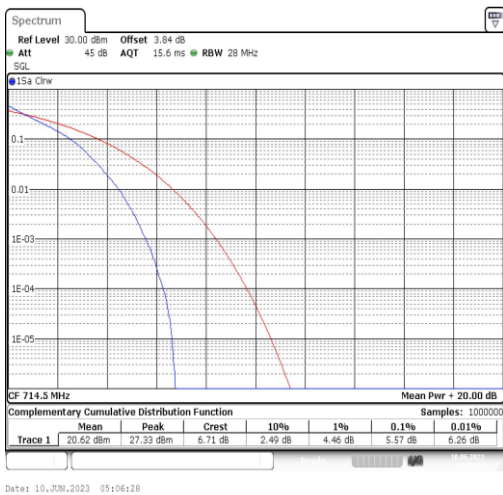
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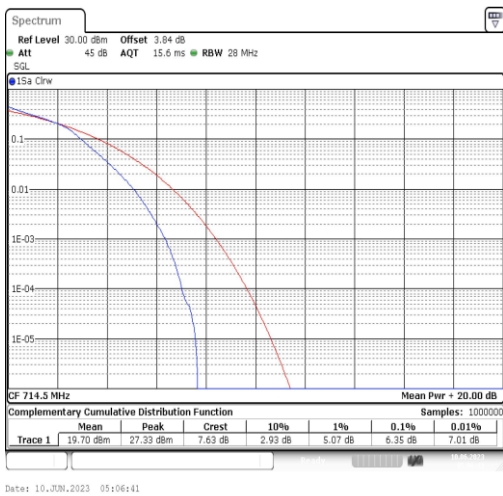
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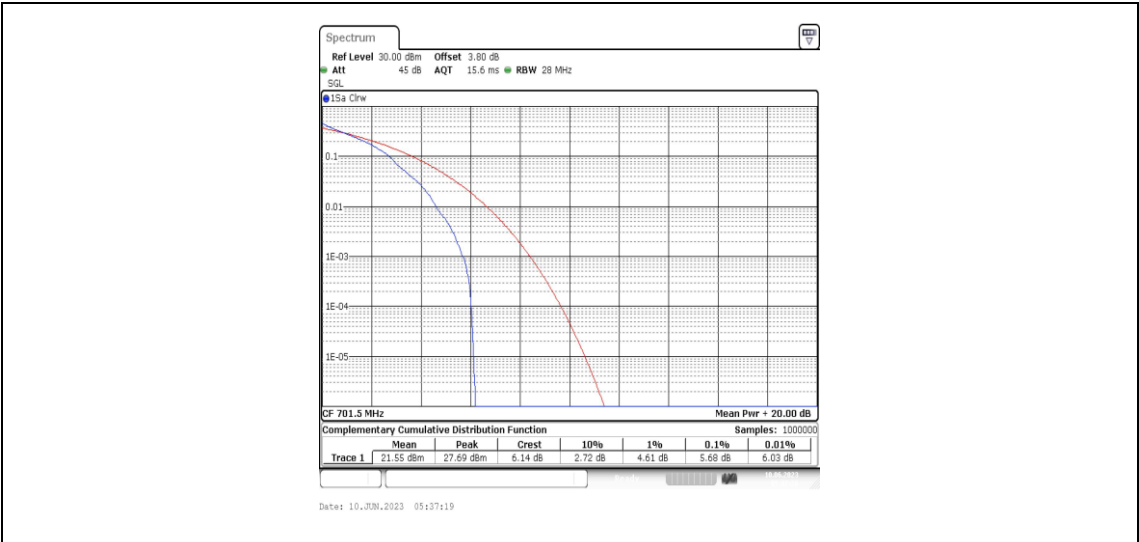
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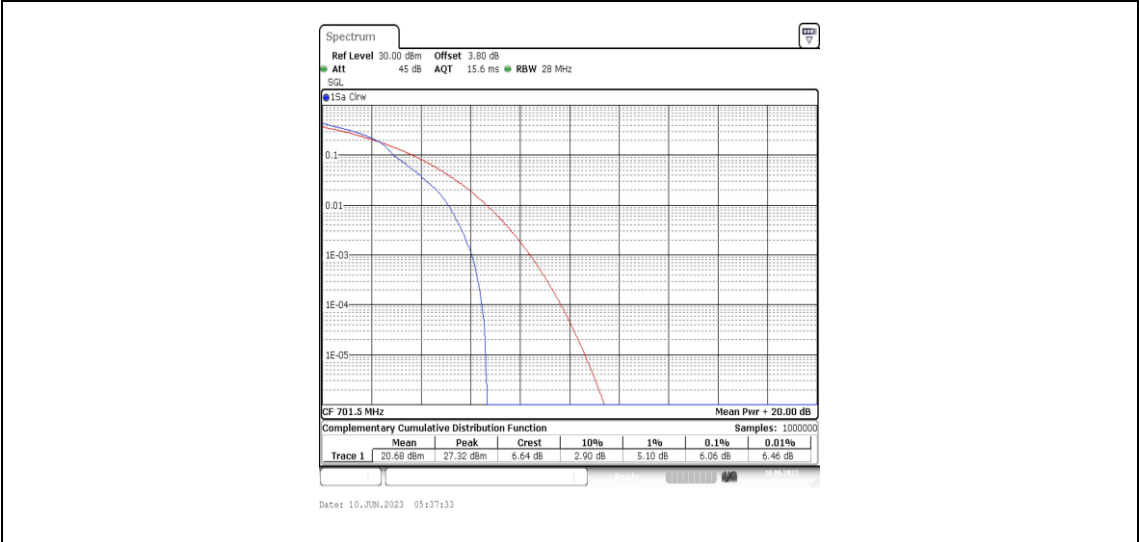
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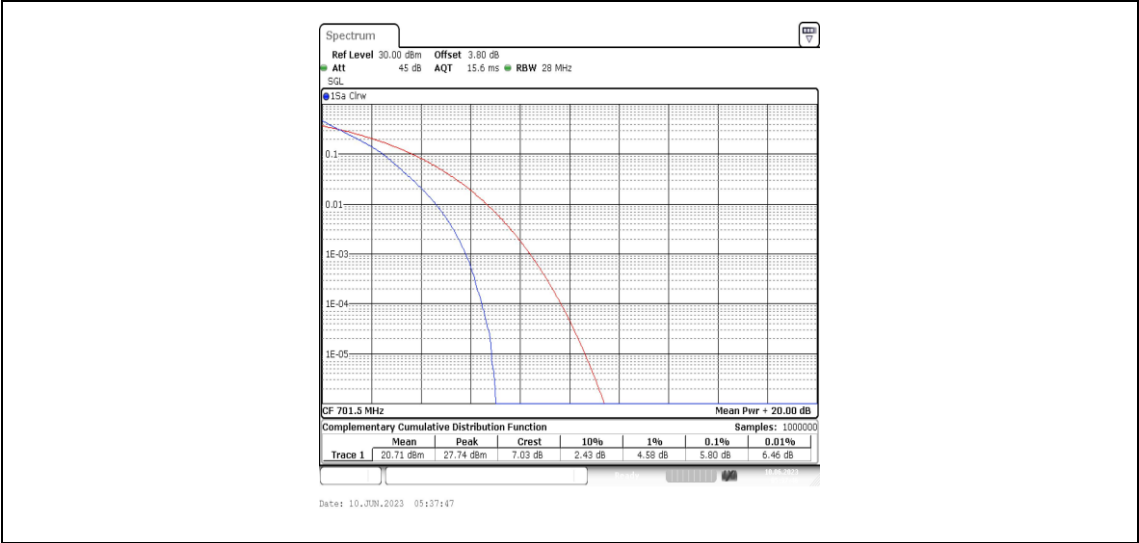
Band12-3MHz-16QAM-23165-15RB#0



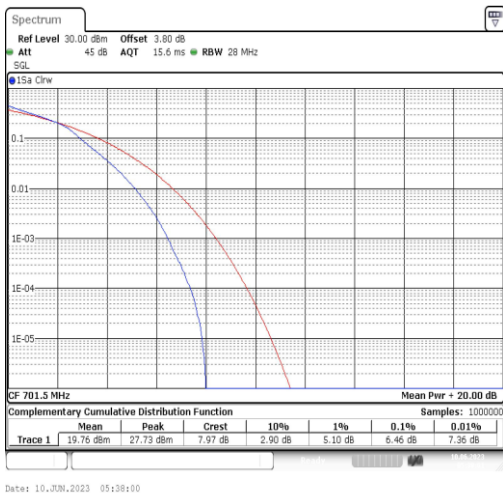
Band12-5MHz-QPSK-23035-1RB#0



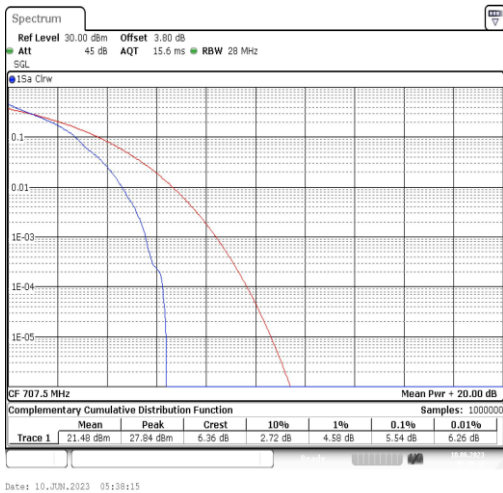
Band12-5MHz-16QAM-23035-1RB#0



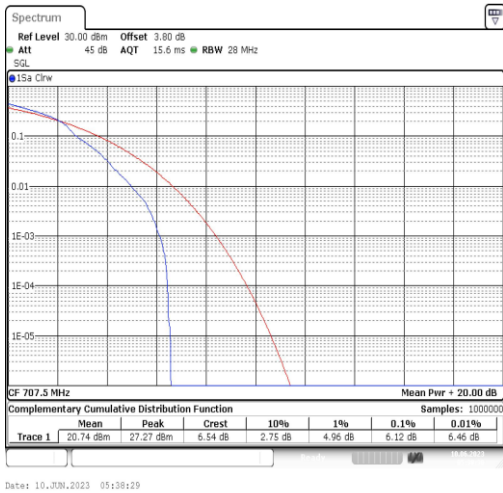
Band12-5MHz-QPSK-23035-25RB#0



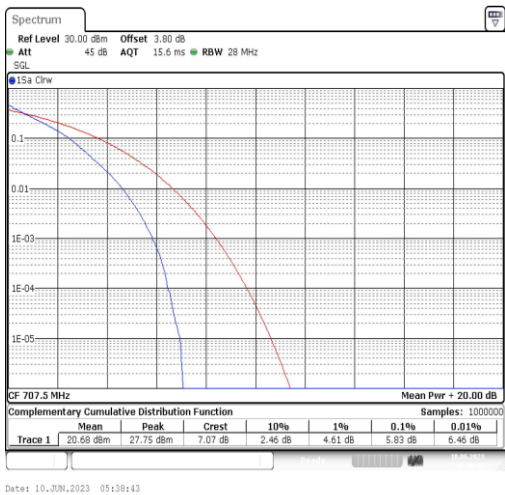
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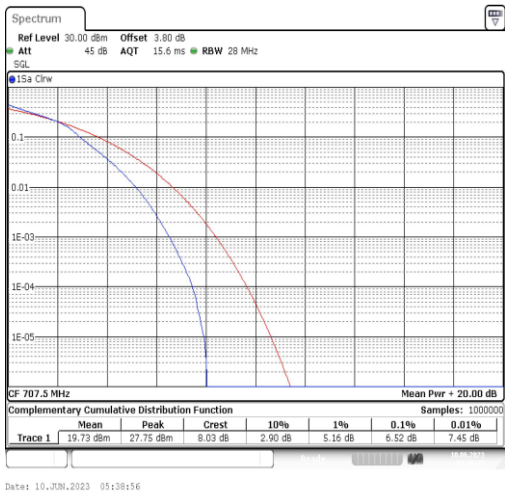
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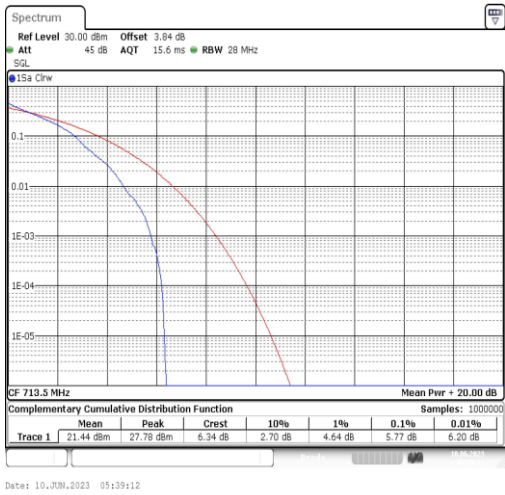
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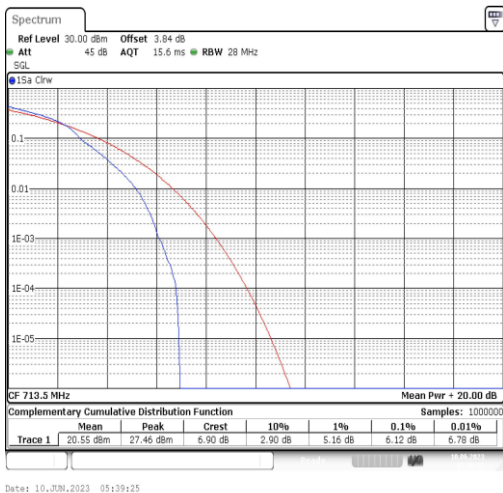
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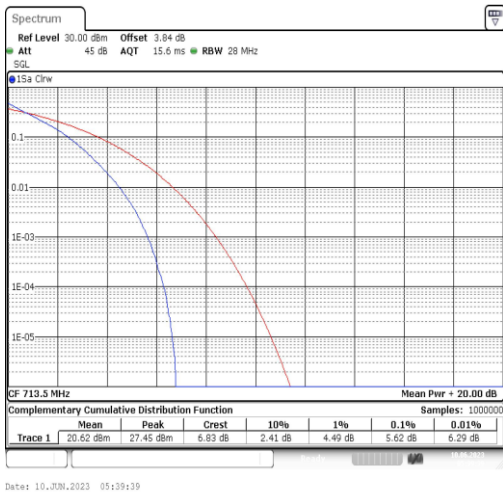
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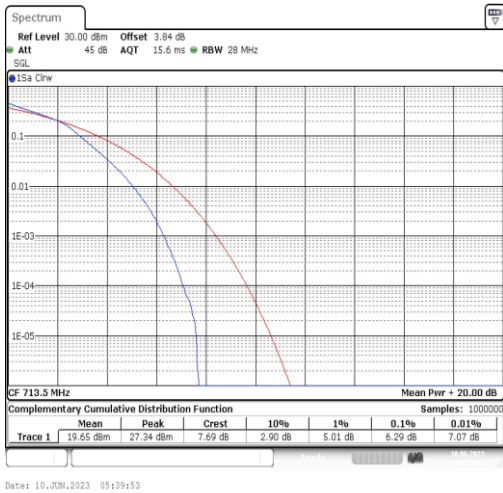
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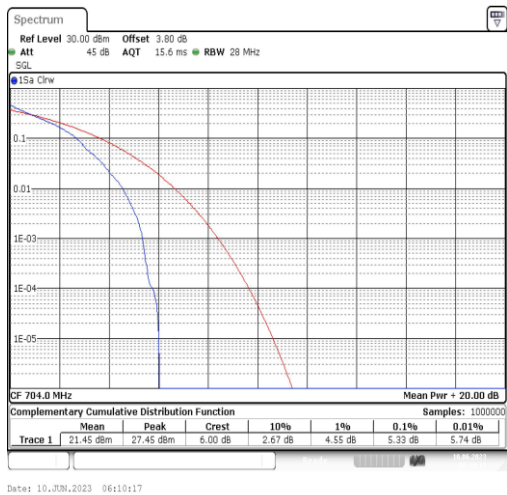
Band12-5MHz-16QAM-23155-1RB#0



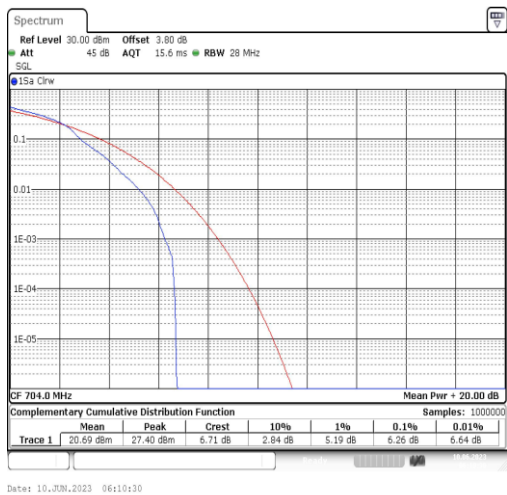
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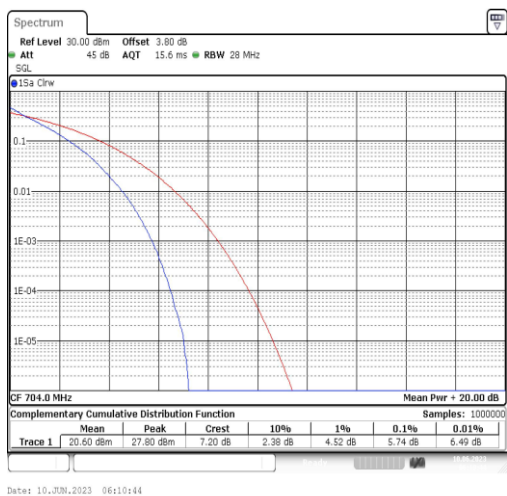
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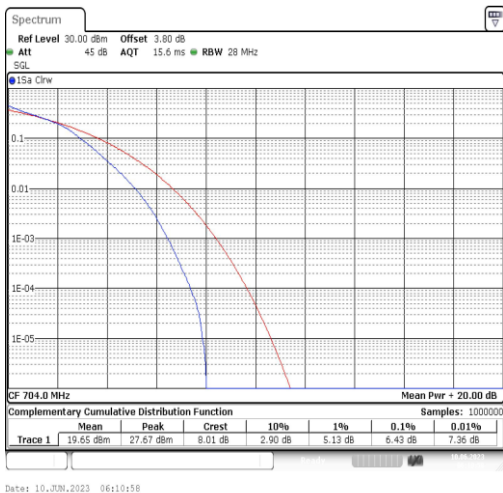
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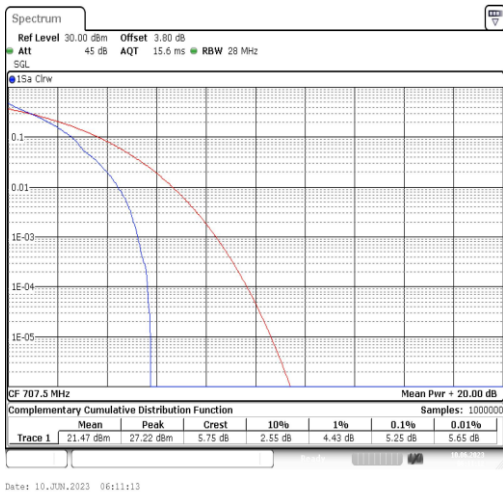
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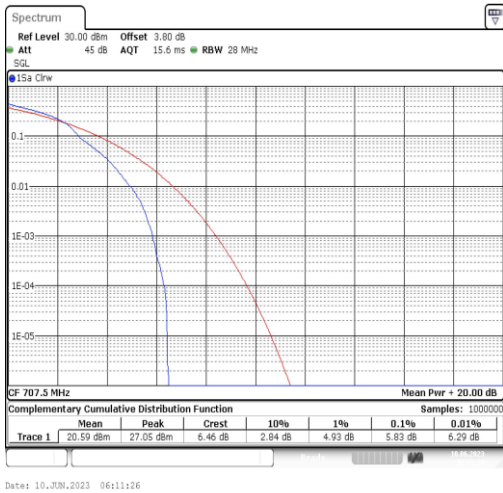
Band12-10MHz-QPSK-23060-50RB#0



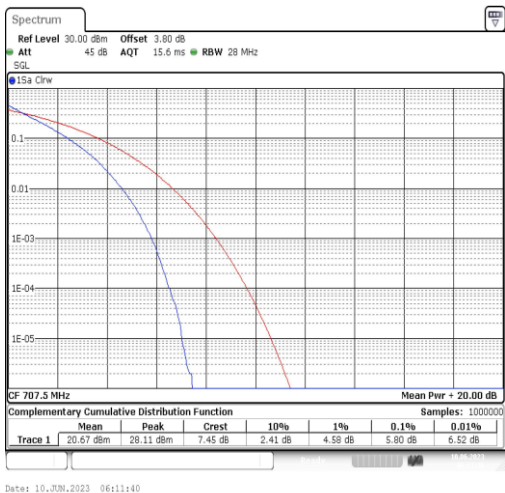
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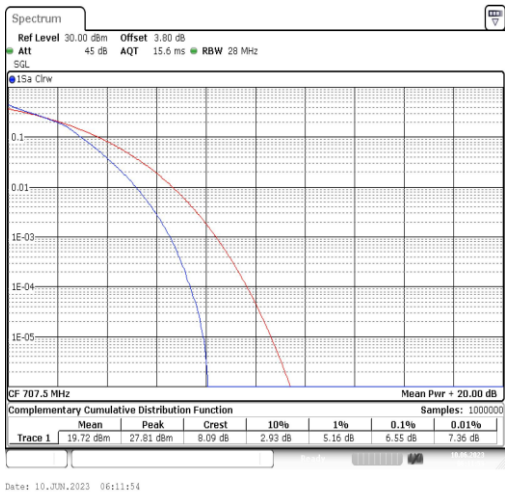
Band12-10MHz-QPSK-23095-1RB#0



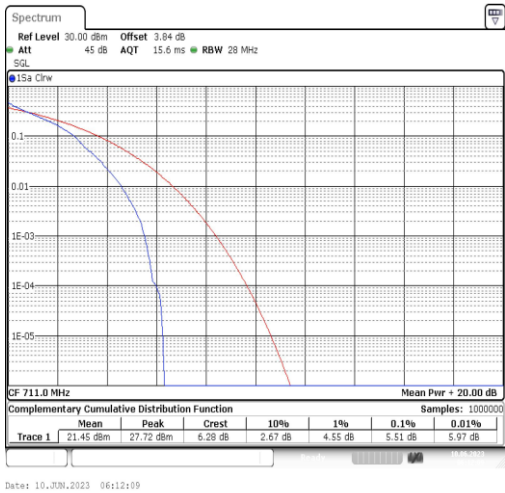
Band12-10MHz-16QAM-23095-1RB#0



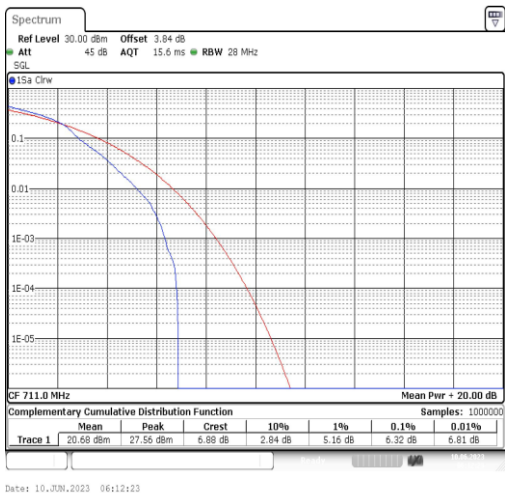
Band12-10MHz-QPSK-23095-50RB#0



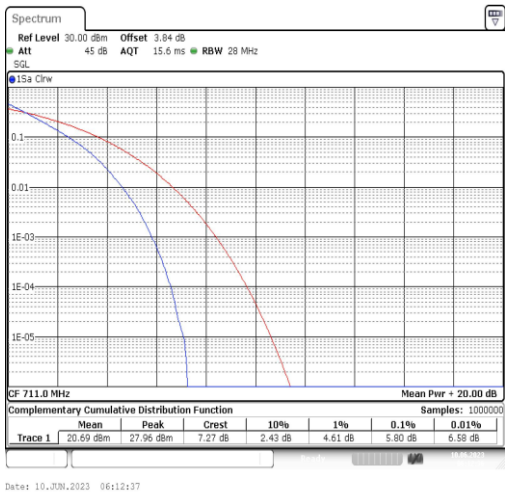
Band12-10MHz-16QAM-23095-50RB#0



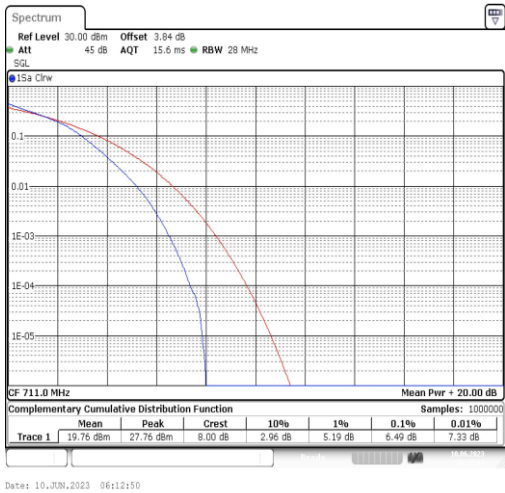
Band12-10MHz-QPSK-23130-1RB#0



Band12-10MHz-16QAM-23130-1RB#0



Band12-10MHz-QPSK-23130-50RB#0



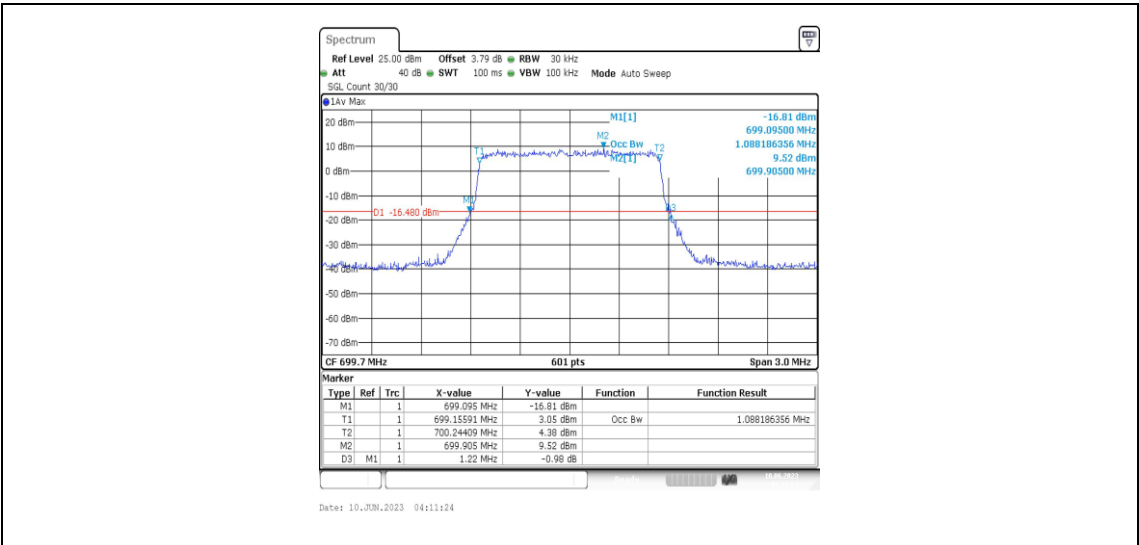
Band12-10MHz-16QAM-23130-50RB#0

Appendix C: 26dB Bandwidth and Occupied Bandwidth

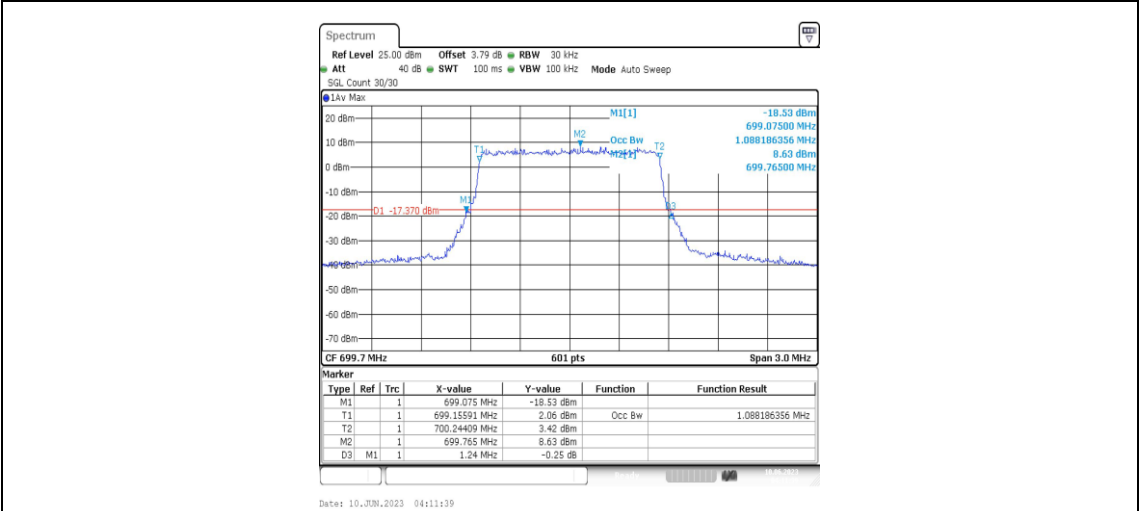
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.088	1.22	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.088	1.24	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.088	1.21	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.088	1.22	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.088	1.23	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.088	1.23	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.686	2.85	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.686	2.86	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.696	2.85	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.686	2.84	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.686	2.85	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.686	2.84	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.496	4.80	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.505	4.78	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.496	4.78	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.505	4.80	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.496	4.80	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.505	4.78	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.985	9.53	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.985	9.53	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.985	9.53	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.985	9.53	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.985	9.60	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.985	9.53	PASS

Test Graphs



Band12-1.4MHz-QPSK-23017-6RB#0-1.088



Band12-1.4MHz-16QAM-23017-6RB#0-1.088

